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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	ATTORNEY DOCKET NO. CONFIRMATION NO.	
09/923,096	08/06/2001	Sten Frolich	AN06187US/3161	AN06187US/3161 9489	
7.	590 08/11/2004		EXAMINER		
Richard P. Fennelly			CHIN, PETER		
Akzo Nobel Inc 7 Livingstone A	7 -	ART UNIT	PAPER NUMBER		
Dobbs Ferry, NY 10522-3408			1731		
			DATE MAILED: 08/11/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application I	No.	Applicant(s)			
Office Action Summary		09/923,096		FROLICH ET AL.			
		Examiner		Art Unit			
		Peter Chin		1731			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
THE I - Exter after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICAT asions of time may be available under the provisions of 37 SIX (6) MONTHS from the mailing date of this communication period for reply specified above is less than thirty (30) day a period for reply is specified above, the maximum statutory re to reply within the set or extended period for reply will, be reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	FION. CFR 1.136(a). In no event, I tion. s, a reply within the statutory y period will apply and will ex y statute, cause the applicati	nowever, may a reply be ting minimum of thirty (30) day pire SIX (6) MONTHS from on to become ABANDONE	nely filed s will be considered timely. the mailing date of this commun D (35 U.S.C. § 133).	nication.		
Status							
1)⊠	Responsive to communication(s) filed or	n <u>21 May 2004</u> .					
•	,	This action is non-	final.				
3)							
Dispositi	on of Claims						
5)□ 6)⊠ 7)□	4) Claim(s) 1-10,12,14-21,23-26,28,30-40,42 and 44-67 is/are pending in the application. 4a) Of the above claim(s) 3,7,9,20-23,30-36 and 44-61 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1,2,4-6,8,10,12,14-19,24-26,28,37-40,42,62-67 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.						
Applicat	ion Papers						
9)[The specification is objected to by the Ex	caminer.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority (ınder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachmer	nt(s)						
· —	ce of References Cited (PTO-892)	4)	Interview Summary				
3) Infor	ce of Draftsperson's Patent Drawing Review (PTO-t mation Disclosure Statement(s) (PTO-1449 or PTC er No(s)/Mail Date)/SB/08) 5)	Paper No(s)/Mail D Notice of Informal F Other:	ate Patent Application (PTO-152	2)		
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DETAILED ACTION

1. Claim 14 is rejected under 35 U.S.C. 102(b) as anticipated by Begala ((5,595,629).

Begala anticipates the claimed invention as noted in the previous Office Action, mailed 12/18/2003.

2. Claims 1,2,4-6,8,10,12,14-19,24-26,28,37-40,42,62-67 rejected under 35 U.S.C. 103(a) as being unpatentable over Persson et al (WO 9955964) in view of Begala et al (5,595,629).

The claims are rejected for the reasons given in the previous Office Action, mailed 12/18/2003. In regard to newly added claims 62 and 66, Persson discloses the addition of an additional low molecular weight cationic polymer, last paragraph of page 7.

3. Applicant's arguments have been considered but are deemed unpersuasive of patentability.

The arguments relating to Begala as it relates to claim 14 are more specific than the claim. Begala anticipates the invention claimed in claim 14.

Persson clearly discloses that anionic condensation polymers such as melamine-sulfonic acid sols are useful as the anionic particulate and alternative to silica particles. Begala teaches that the claimed naphthalene sulfonate condensation polymer when used in conjunction with a cationic polymer will improve retention, drainage and formation. Such teaching supplies motivation to employ the claimed condensation polymer as the anionic condensation polymer in Persson.

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The Solhage Declaration submitted on May 21, 2004 does provide probative evidence of unexpectedness of the invention over Persson's invention. However, the claims are not commensurate with the showing. The showing is limited to a cationic starch having one or more cationic aromatic groups, the cationic moiety being a quaternary ammonium group. The only anionic polymer having one or more aromatic group is a formaldehyde-naphthalene sulfonate condensate. There is no evidence that other classes of cationic polysaccharides and anionic polymers containing one or more aromatic groups would also reasonably expect to exhibit unexpected properties over Persson. Therefore if the claims were amended to be limited to these two groups of polymers, the claims would be allowable.

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter Chin whose telephone number is (571) 272-1186. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on (571) 272-1189. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Peter Chin Primary Examiner Art Unit 1731